

To: John Rolfe[jrolfe@demaximis.com]
Cc: Ben Hammond[hammondbh@cdmsmith.com]; Scott Kirchner[kirchnersf@cdmsmith.com]; Gary.Foster@CH2M.com[Gary.Foster@CH2M.com]; George.Hicks@CH2M.com[George.Hicks@CH2M.com]; Jim Brinkman[james.brinkman@CH2M.com]; Willard Potter[otto@demaximis.com]; Robert Law[rlaw@demaximis.com]; TsangC@cdmsmith.com[TsangC@cdmsmith.com]; Hoppe, Michael[Hoppe.Michael@epa.gov]; Franklin, Elizabeth A NWK[Elizabeth.A.Franklin@usace.army.mil]
From: LaPoma, Jennifer
Sent: Wed 5/7/2014 6:22:19 PM
Subject: RE: FW: Survey Submittal Packages

John,

EPA has reviewed the provided material. As set forth in Specification 02 32 00, Paragraph 3.05, the minimum thickness requirement has been met. Based on the provided material, EPA sees no reason to delay placement of the habitat layer.

As stated in Gary Foster's email, forwarded along with the surveys to EPA, the maximum average thickness is exceeded. For our records, can you please provide a technical memorandum which expands on the provided rationale (e.g., settling over time, dimensions of the armor stone) as to why the exceedance over the maximum average thickness is not anticipated to be of concern.

Please feel free to contact me if you wish to discuss further.

Thanks,

Jennifer LaPoma

212-637-4328

From: John Rolfe [mailto:jrolfe@demaximis.com]
Sent: Monday, May 05, 2014 10:51 AM

To: TsangC@cdmsmith.com; Hoppe, Michael; LaPoma, Jennifer; Jason Magalen
Cc: Ben Hammond; Scott Kirchner; Gary.Foster@CH2M.com; George.Hicks@CH2M.com; Jim Brinkman; Willard Potter; Robert Law
Subject: Fwd: FW: Survey Submittal Packages

Jennifer, Mike, Frank, Jason:

Please find the attached e-mail and PDF surveys for the north and south areas.

Please feel free to contact me if you wish to discuss the surveys further.

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de maximis, inc.
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>>> <Gary.Foster@CH2M.com> 5/5/2014 10:34 AM >>>

John – Attached is the survey of the armor stone layer as prepared by GLDD. The following table verifies that the minimum thicknesses have been met – reference Specification 02 32 00, Paragraph 3.05 (Last table: Cap Layer Thickness Requirements). The one criteria that is slightly out of tolerance is the Maximum Average Thickness which is 25.68” compared to the specified 24”. However the overall elevation differential from the pre dredge is only 1.2”. With time we believe that settlement will occur lowering this slightly elevated surface and the overall impact to the river is considered minimal. Adjustments to the elevation are difficult considering the size of the armor stone (6” to 8” dimensions).

Should you or the EPA have any questions please contact me.

Sincerely, Gary

	North (ft)	South (ft)	Combined (ft)
Post Sand/AG to Post Rock	1.28	1.25	1.27
Pre Dredge to Post Rock	0.09	0.10	0.10
Post Dredge to Post Rock	2.15	2.13	2.14

From: TDBriggs@gldd.com [mailto:TDBriggs@gldd.com]

Sent: Sunday, May 04, 2014 8:44 PM

To: Foster, Gary/ATL; Hicks, George/CHC; Brinkman, James/BOS

Cc: THCnudde@terra-sea.com; JMiller@gldd.com; MPatria@gldd.com; LJShores@gldd.com

Subject: Survey Submittal Packages

Importance: High

Gary,

Attached are the final bathymetric surveys of the North and South Areas.

Tim Briggs